

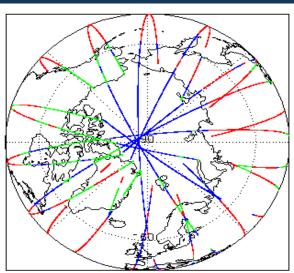
## 1. Overview

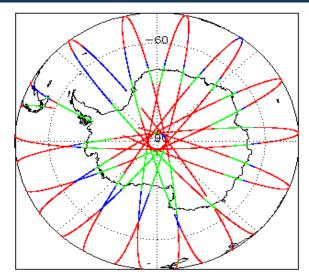
Report Production:	27-Jan-2020 CryoSat Ocean Processor	
Processor Used:		
Data Used:	Near Real Time Ocean Products (NOP) L1B & L2 Science Data	

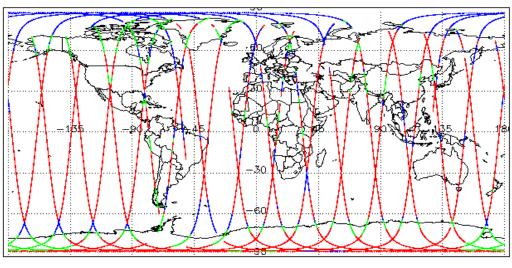
Check	L1 & L2
Server check: science-pds.cryosat.esa.int	Nominal
Server check: calval-pds.cryosat.esa.int	Nominal
Product Software Check	Nominal
Product Format Check	Nominal
Product Header Analysis	See Sections 4.2 and 5.2
Auxiliary Data File Usage Check	See Section 4.3 and 5.3
Auxiliary Correction Error Check	See Section 5.4
Measurement Confidence Data Check	See Section 4.5, 4.6
Measurement Quality Flag Check	See Section 5.6
Ocean Retracking Quality Check	See Section 5.7

Mission / Instru	ment News
25-Jan-2020	None
26-Jan-2020	None
27-Jan-2020	Nothing planned

# 2. Global Coverage









## 3. Instrument Configuration

The SIRAL instrument configuration for the day of acquisition is provided below.

SIRAL instrument(s) in use:	SIRAL - A
Star Tracker(s) in use:	Star Tracker 1

# 4. NOP Level 1B Data Quality Check

### 4.1 L1B Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

#### 4.2 L1B Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

L1B Processing Quality HR: The I1b\_proc\_flag\_hr flag is currently set all L1B IOPR and IOPN products because the I1b\_processing\_quality\_hr field is not correctly configured in the OSAR and OSARIn chains. A modification is required in the payt release

Number of products with errors:

#### 4.3 L1B Auxilary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Dynamic Atmospheric Correction: The DAC is missing in all products because the auxiliary files required are not available in time for processing. This known and expected behaviour.

Number of products with errors:

#### 4.4 L1B Auxiliary Correction Error Check

CryoSat L1B data includes a correction error flag for each measurement record. The bit value of this flag indicates any problems when set.

Number of products with errors:

0

#### 4.5 L1B Measurement Confidence Data Check

CryoSat L1B data includes a measurement confidence flag for each measurement record. The bit value of this flag indicates any problems when set.

> Attitude Correction Missing: This flag is currently set in error for NOPR products due to a configuration issue. This is being investigated and will be updated in the next SW update.

Number of products with errors:

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#### 4.6 L1B Waveform Group Data Check

CryoSat L1B data includes a waveform data flag for each measurement record. The bit value of this flag indicates any problems when set.

> Loss of Echo Flag: This flag is currently set for products over land, but this is to be expected.

Number of products with errors:

14

Product	Test Failed	Description
CS_OFFL_SIR_NOPN1B_20200126T002615_20200126T002706_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T012927_20200126T013314_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T112045_20200126T112210_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T134546_20200126T134802_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T143852_20200126T144032_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T183548_20200126T183629_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPN1B_20200126T215412_20200126T215616_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T002003_20200126T002312_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T005607_20200126T005746_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T015119_20200126T015239_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T073523_20200126T073810_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T080034_20200126T080317_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T165528_20200126T170550_C001	Loss of Echo	The tracking echo is missing for one or more records
CS_OFFL_SIR_NOPR1B_20200126T220729_20200126T221128_C001	Loss of Echo	The tracking echo is missing for one or more records

## 5. NOP Level 2 Data Quality Check

### 5.1 L2 Product Format Check

Each product, retrieved and unpacked from the science server, is checked to ensure it consists of both an XML header file (.HDR) and a binary product file (.DBL).

Number of products with errors:

0

#### 5.2 L2 Product Header Analysis

For all products, a series of pre-defined checks are performed on the MPH and SPH in order to identify any inconsistencies and/or errors raised by the ground-segment processing chain.

Number of products with errors:

0

### 5.3 L2 Auxiliary Data File Usage Check

Each product is checked for missing Data Set Descriptors with respect to a pre-determined baseline and also to check the validity of Auxiliary Data Files is correct.

Number of products with errors:

#### 5.4 L2 Auxiliary Correction Error Check

For all products, the auxiliary corrections within the Geophysical Group are checked for the default error value (32767).

Currently, there are some common auxiliary correction errors raised in the Level 2 products which are expected due to surface type. All common flags are summarised in the list below, followed by a table highlighting any additional issues which may arise from this test.

- > ECMWF Meteo Corrections: Currently the following corrections are not computed over CONTINENTAL ICE: Dry Tropospheric Correction, Wet Tropospheric Correction, Inverse Barometric Correction and the U-Wind and V-Wind components of the ECMWF model wind vector. This is a known anomaly (CRYO-COP-3) and will be resolved in a future IPF update.
- > Mean Sea Surface: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Mean Dynamic Topography: The error value is currently set for products over land and sea ice, but this is to be expected.
- > Altimetric Wind Speed Error: The error value is currently set for products over land and sea ice, but this is to be expected.

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200126T035445_20200126T035532_C001	IMean Dynamic Longgraphy (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T002706_20200126T002831_C001		There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

CS_OFFL_SIR_NOPN_2_20200126T012927_20200126T013314_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPN_2_20200126T020200_20200126T020610_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T030201_20200126T030412_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T033948_20200126T034525_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T051808_20200126T052223_C001	Mean Sea Surface (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T061124_20200126T061248_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T065942_20200126T070142_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T075053_20200126T075219_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T075733_20200126T080034_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T093059_20200126T093404_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T093634_20200126T094107_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T102733_20200126T102950_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T111111_20200126T111345_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT)	There is an error with the MSS height (solution 1), the Mean Dynamic Topography height (solution 1) and the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T120619_20200126T120724_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T120940_20200126T121223_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T124610_20200126T124953_C001	Total Geocentric Ocean Tide (GOT)	There is an error with the Total Geocentric Ocean Tide height (solution 1: GOT) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T134546_20200126T134802_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T142829_20200126T143012_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T152511_20200126T152955_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T161647_20200126T161929_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T174750_20200126T175139_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T192730_20200126T193044_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T193557_20200126T193715_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPN_2_20200126T201826_20200126T201855_C001	Mean Sea Surface (1)	There is an error with the MSS height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T211503_20200126T211616_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPN_2_20200126T215412_20200126T215616_C001	Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non- Equilibrium Long Period Ocean Tide	There is an error with the Mean Dynamic Topography (solution 1), the Total Geocentric Ocean Tide (solution 1: GOT and solution 2: FES) and the Non-Equilibrium Long Period Ocean Tide for one or more records
CS_OFFL_SIR_NOPR_2_20200126T002003_20200126T002312_C001	Mean Sea Surface (1), Mean Dynamic Topography (1), Total Geocentric Ocean Tide (GOT), Total Geocentric Ocean Tide (FES), Non-Equilibrium Long Period Ocean Tide	There is an error with the MSS height (solution 1), the Mean Dynamic Topography (solution 1) and the tidal corrections for one or more records
CS_OFFL_SIR_NOPR_2_20200126T002831_20200126T003515_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T020703_20200126T021225_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T085216_20200126T085916_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20200126T152103_20200126T152511_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T165528_20200126T170550_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T182757_20200126T182858_C001	Mean Dynamic Topography (1)	There is an error with the Mean Dynamic Topography height for one or more records
CS_OFFL_SIR_NOPR_2_20200126T183904_20200126T184652_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T201855_20200126T202932_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T215835_20200126T220149_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T220149_20200126T220615_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records
CS_OFFL_SIR_NOPR_2_20200126T233744_20200126T234306_C001	Mean Sea Surface (1), Mean Dynamic Topography (1)	There is an error with the MSS height (solution 1) and the Mean Dynamic Topography height (solution 1) for one or more records

## 5.5 L2 Measurement Confidence Data Check

### 5.6 L2 Measurement Quality Flag Check

## L2 Quality Flags (20Hz)

CryoSat L2 data includes Quality Flags for each 20 Hz, 20 Hz PLRM and 1 Hz measurement record. The bit value of this flag indicates any problems when set.

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags: These flags are currently set for some records over ocean.
- > OCOG Altimeter Range and Backscatter Quality Flags: These flags are currently set for some records over continental ice.

Product	Test Failed	Description
CS_OFFL_SIR_NOPM_2_20200126T000753_20200126T001809_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T003515_20200126T003927_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T004544_20200126T005433_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T005746_20200126T011215_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T011435_20200126T011936_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T012810_20200126T012926_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T013314_20200126T014059_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T014508_20200126T014956_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T015239_20200126T015826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T021811_20200126T021854_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T021909_20200126T021920_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T022022_20200126T022151_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T022844_20200126T025144_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T025507_20200126T025852_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T025914_20200126T030201_C001		The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T030507_20200126T033349_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T040537_20200126T043111_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T043248_20200126T043806_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T044511_20200126T051808_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T054212_20200126T060036_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T060438_20200126T061038_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T061249_20200126T062043_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T062431_20200126T065739_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

CC OFFI OID NORM 2 20200420T074420 20200420T074240 C004	Ocean Altimeter Range, SSHA, SWH	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags
CS_OFFL_SIR_NOPM_2_20200126T071126_20200126T071216_C001	and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T072616_20200126T072758_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T073810_20200126T075014_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T075219_20200126T075732_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T080317_20200126T082544_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T082828_20200126T083758_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T084926_20200126T085006_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T085130_20200126T085216_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T090828_20200126T091438_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T091625_20200126T092752_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T093404_20200126T093634_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T094313_20200126T101547_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T103216_20200126T105141_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T105144_20200126T110416_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T112210_20200126T113805_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T114009_20200126T115033_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T120735_20200126T120940_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T121223_20200126T121438_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T121618_20200126T122845_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T124512_20200126T124610_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T125217_20200126T125501_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T125516_20200126T125945_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T130151_20200126T131631_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T131811_20200126T132054_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T133256_20200126T133313_C001	OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T135503_20200126T140050_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPM_2_20200126T140334_20200126T142741_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.

DECK Alternative Design 2000 CDS   DECK Alternati			
20.001_SM_MONL_2B20102T10102_200012T10405_0001   Common Name Resp. (2005) 2005   Common Name	CS_OFFL_SIR_NOPM_2_20200126T143013_20200126T143852_C001		
## CEO. PRIL SER NOPM 2 2000/120710905 2000120710905 (2000)  ## CEO. PRIL SER NOPM 2 2000/120710905 2000120710905 (2000)  ## CEO. PRIL SER NOPM 2 2000/120710905 2000120710905 (2000)  ## CEO. PRIL SER NOPM 2 2000/120710905 (2000)  ## CEO. PRIL SER NOPM 2 2000/1	CS_OFFL_SIR_NOPM_2_20200126T144115_20200126T150617_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Col. CPH_SR_NOPM_2_20201201101004_2020120110002_C0101   Col. CPH_SR_NOPM_2_20201201101004_2020120110002_C0101   Col. CPH_SR_NOPM_2_2020120110004_2020120110002_C0101   Col. CPH_SR_NOPM_2_2020120110002_C0101   Col. CPH_SR_NOPM_2_20201201100002_C0101   Col. CPH_SR_NOPM_2_20201201100002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C0101000002_C01010000002_C0101000002_C0101000002_C01010000002_C01010000002_C01010000002_C01010000000000	CS_OFFL_SIR_NOPM_2_20200126T153906_20200126T160604_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Co. OFF_SR_NOPM_2_2000109119594_2000109119576_0001	CS_OFFL_SIR_NOPM_2_20200126T161227_20200126T161647_C001		
South Service Cash (NOPM 2, 200001261119109 202001261119109 COST   South All Angeles and Educationer Cash (Nomine Range a	CS_OFFL_SIR_NOPM_2_20200126T161954_20200126T164627_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Date Statement Coulty	CS_OFFL_SIR_NOPM_2_20200126T171325_20200126T174510_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CB_OFFL_SR_NOPAL_2_2000199119021_2000199119035_C00019911	CS_OFFL_SIR_NOPM_2_20200126T175140_20200126T175726_C001		
CS_OFFL_SIR_NOPM_2_2000126T189042_0000128T193552_0001  CS_OFFL_SIR_NOPM_2_2000126T189042_0000128T192452_0001  CS_OFFL_SIR_NOPM_2_2000126T189042_0000128T192452_0001  CS_OFFL_SIR_NOPM_2_2000126T189044_0000128T192452_0001  CS_OFFL_SIR_NOPM_2_2000126T189044_0000128T192452_0001  CS_OFFL_SIR_NOPM_2_2000126T189044_0000128T192452_0001  CS_OFFL_SIR_NOPM_2_2000126T189044_0000128T194590_0001  CS_OFFL_SIR_NOPM_2_2000126T180044_0000128T194590_0001  CS_OFFL_SIR_NOPM_2_20000126T190044_0000128T194590_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200350_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200360_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200360_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200360_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200360_000126T200350_0001  CS_OFFL_SIR_NOPM_2_20000126T200360_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_000126T200350_0001	CS_OFFL_SIR_NOPM_2_20200126T175907_20200126T180509_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Affiniter Range and Backscatter Quality Tags have been Affinited Range, 2016 (2016) (20	CS_OFFL_SIR_NOPM_2_20200126T180921_20200126T181552_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality Flags have been althorized Range and Backscatter Quality Flags have been set for one or more record.  CS_OFFL_SIR_NOPM_2_20200126T193045_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T193045_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T193045_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T194144_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T194144_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T194144_20200126T194045_C010  CS_OFFL_SIR_NOPM_2_20200126T194144_20200126T195794_C010  CS_OFFL_SIR_NOPM_2_20200126T201310_20200126T201345_C010  CS_OFFL_SIR_NOPM_2_20200126T203312_20200126T201345_C010  CS_OFFL_SIR_NOPM_2_20200126T203312_20200126T203385_C010  CS_OFFL_SIR_NOPM_2_20200126T20379_20200126T21338_C010  CS_OFFL_SIR_NOPM_2_20200126T20379_20200126T21338_C010  CS_OFFL_SIR_NOPM_2_20200126T213313_C010  CS_OFFL_SIR_NOPM_2_20200126T213313_C010  CS_OFFL_SIR_NOPM_2_20200126T21313_C0200126T213313_C010  CS_OFFL_SIR_NOPM_2_20200126T21313_C0200126T213313_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_20200126T223412_20200126T223404_C010  CS_OFFL_SIR_NOPM_2_2	CS_OFFL_SIR_NOPM_2_20200126T183629_20200126T183715_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscalter Quality  CS_OFFL_SIR_NOPM_2_20200128T199754_20200128T194045_CD01  CS_OFFL_SIR_NOPM_2_20200128T199714_20200128T195704_CD01  CS_OFFL_SIR_NOPM_2_20200128T199714_20200128T195704_CD01  CS_OFFL_SIR_NOPM_2_20200128T199714_20200128T195704_CD01  CS_OFFL_SIR_NOPM_2_20200128T199714_20200128T199704_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209345_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209345_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209335_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209329_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209329_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209329_CD01  CS_OFFL_SIR_NOPM_2_20200128T20932_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD01  CS_OFFL_SIR_NOPM_2_20200128T209579_CD010  CS_OFFL_SIR_NOPM_2_20200128T21091_CD000128T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T21951_CD000128T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T21951_CD000128T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T21951_CD00128T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T21953_CD00128T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T219509_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T219509_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T219509_CD01  CS_OFFL_SIR_NOPM_2_20200128T221909_CD01028T229509_CD01  CS_OFFL_SIR_NOPM_2_20200128T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229509_CD01028T229	CS_OFFL_SIR_NOPM_2_20200126T185016_20200126T192452_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and backscatter Quality, COCG Allimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200128T194114_20200128T198704_CO01  CS_OFFL_SIR_NOPM_2_20200128T201310_20200128T201345_CO01  CS_OFFL_SIR_NOPM_2_20200128T201310_20200128T203851_CO01  CS_OFFL_SIR_NOPM_2_20200128T20330_20200128T203851_CO01  CS_OFFL_SIR_NOPM_2_20200128T20933_20200128T203851_CO01  CS_OFFL_SIR_NOPM_2_20200128T20933_20200128T21038_CO01  CS_OFFL_SIR_NOPM_2_20200128T20933_20200128T21103_CO01  CS_OFFL_SIR_NOPM_2_20200128T211051_20200128T211503_CO01  CS_OFFL_SIR_NOPM_2_20200128T211051_20200128T211503_CO01  CS_OFFL_SIR_NOPM_2_20200128T211051_20200128T211503_CO01  CS_OFFL_SIR_NOPM_2_20200128T211704_20200128T213913_CO01  CS_OFFL_SIR_NOPM_2_20200128T211704_20200128T213913_CO01  CS_OFFL_SIR_NOPM_2_20200128T211704_20200128T213913_CO01  CS_OFFL_SIR_NOPM_2_20200128T2213947_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T2213947_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T2213947_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T22390_CO01  CS_OFFL_SIR_NOPM_2_20200128T22391_20200128T223940_CO01  CS_OFFL_SIR_NOPM_2_202	CS_OFFL_SIR_NOPM_2_20200126T193045_20200126T193557_C001		
CS_OFFL_SIR_NOPM_2_20200126T291917_20200126T201345_C001  CS_OFFL_SIR_NOPM_2_20200126T201310_20200126T201345_C001  CS_OFFL_SIR_NOPM_2_20200126T202322_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T202322_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T203951_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T203851_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205739_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205739_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205739_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T2113026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T211503_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213026_C001  CS_OFFL_SIR_NOPM_2_20200126T213047_20200126T213046_C001  CS_OFFL_SIR_NOPM_2_20200126T213047_20200126T213046_C001  CS_OFFL_SIR_NOPM_2_20200126T223047_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T2231047_20200126T224648_C001  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.  CC_OCAN Altimeter Range and Backscatter Cuality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200126T193754_20200126T194045_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality COGA Allmeter Range and Backscatter Quality Flags have been Allmeter Range and Backscatter Quality CoGA Allmeter Range and Backscatter Quality Flags have been set for one or	CS_OFFL_SIR_NOPM_2_20200126T194114_20200126T195704_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205729_C001  CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205729_C001  CS_OFFL_SIR_NOPM_2_20200126T205739_20200126T210326_C001  CS_OFFL_SIR_NOPM_2_20200126T205739_20200126T210326_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T211503_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T211503_C001  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T211704_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T211704_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T21128_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T21128_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T21128_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T223112_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T22317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T2317_20200	CS_OFFL_SIR_NOPM_2_20200126T201310_20200126T201345_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, CCOG Altimeter Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range and Backscatter Quality Flags have been at Interfer Range Altimeter Range Quality, OCOG Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  The Ocean Al	CS_OFFL_SIR_NOPM_2_20200126T202932_20200126T203851_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Backscatter Quality Flags have been Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T211704_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T2223617_20200126T224243_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T222419_20200126T22393135_C001  Altimeter Range and Backscatter Quality Set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T223607_C001  Altimeter Range and Backscatter Quality Set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T22393135_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T2331315_C001  Altimeter Range and Backscatter Quality Set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T2331315_C001  Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T2331315_C001  Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T2331315_C001  Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Set fo	CS_OFFL_SIR_NOPM_2_20200126T204051_20200126T205729_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200126T211704_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T213913_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T224426_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T2230049_20200126T2231315_C001  CCCan Altimeter Range and Backscatter Quality  CCGA Altimeter Range and Backs	CS_OFFL_SIR_NOPM_2_20200126T205739_20200126T210326_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T2230049_20200126T2231315_C001  Altimeter Range and Backscatter Quality, OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T223419_20200126T2234943_C001  CS_OFFL_SIR_NOPM_2_20200126T231315_C001  And the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCGA Altimeter Range, SSHA	CS_OFFL_SIR_NOPM_2_20200126T211051_20200126T211503_C001		
and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T222502_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T223607_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T22454_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  Altimeter Range and Backscatter Quality, OCOG Backscatter Quality, OCOG Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  And the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T231315_C001  COCOR_Altimeter Range Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T231315_C001  COCOR_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T231315_C001  COCOR_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T231313_C001  COCOR_Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  COCOR_Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_2020	CS_OFFL_SIR_NOPM_2_20200126T211704_20200126T213913_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags have been Set for one or more records.  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  OCOG Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.  OCEAN Altimeter Range Quality, OCOG Backscatter Quality Flags have been set for one or more records.  OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  The OCEAN Altimeter Range and Backscatter Quality Flags have been set for one or more records.  OCEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.	CS_OFFL_SIR_NOPM_2_20200126T213947_20200126T214426_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T2200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  CS_OFFL_SIR_NOPM_2_20200126T231423	CS_OFFL_SIR_NOPM_2_20200126T221128_20200126T222502_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001  and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  and Backscatter Quality, OCOG Backscatter Quality, OCOG Backscatter Quality  CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001  Coean Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  COEAN Altimeter Range, SSHA, SWH and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001  The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.  CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001	CS_OFFL_SIR_NOPM_2_20200126T222719_20200126T223607_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been and Backscatter Quality Flags and Backscatter Quality Flags and Backscatter Quality Flags have been and Backscatter Quality Flags and Backscatter Quality Flags have been and Backscatter Quality Flags and Backscatt	CS_OFFL_SIR_NOPM_2_20200126T223617_20200126T224254_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001 and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altimeter Range and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been Altim	CS_OFFL_SIR_NOPM_2_20200126T224419_20200126T224943_C001		
CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001 and Backscatter Quality, OCOG and the OCOG Altimeter Range and Backscatter Quality Flags have been	CS_OFFL_SIR_NOPM_2_20200126T230049_20200126T231315_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been
	CS_OFFL_SIR_NOPM_2_20200126T231423_20200126T233113_C001	and Backscatter Quality, OCOG	and the OCOG Altimeter Range and Backscatter Quality Flags have been

OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
OCOG Altimeter Range Quality, OCOG Backscatter Quality	The OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
	Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  Ocean Altimeter Range, SSHA, SWH and Backscatter Quality, OCOG Altimeter Range and Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality  OCOG Altimeter Range, SSHA, SWH and Backscatter Quality  OCOG Altimeter Range Quality, OCOG Backscatter Quality

### L2 Quality Flags (20Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below. The table provides the full list of products flagged.

- > Ocean Altimeter Range, SSHA, SWH and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over sea ice.
- > OCOG Altimeter Range and Backscatter PLRM Quality Flags: These flags are currently set for occasional records over continental ice.

Product	Test Failed	Description
CS_OFFL_SIR_NOPN_2_20200126T002615_20200126T002706_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T002706_20200126T002831_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T004300_20200126T004544_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T011247_20200126T011435_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T020200_20200126T020610_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T022305_20200126T022704_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T033350_20200126T033601_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T033948_20200126T034525_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T044139_20200126T044302_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T053249_20200126T053255_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T061124_20200126T061248_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T062043_20200126T062155_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPN_2_20200126T065942_20200126T070142_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T071216_20200126T071254_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T071400_20200126T071524_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T073250_20200126T073323_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T112045_20200126T112210_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T120940_20200126T121223_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T124610_20200126T124953_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T134546_20200126T134802_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T134851_20200126T135119_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T135337_20200126T135500_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T150617_20200126T150846_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T150925_20200126T151040_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T152511_20200126T152955_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T153703_20200126T153809_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T161111_20200126T161227_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T161647_20200126T161929_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T175726_20200126T175846_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T181552_20200126T181747_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T182859_20200126T182929_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T183328_20200126T183450_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T183548_20200126T183629_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T183819_20200126T183904_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T184652_20200126T184806_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T193557_20200126T193715_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T195704_20200126T195854_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T210446_20200126T210901_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPN_2_20200126T211503_20200126T211616_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

	OCOG Altimeter Range Quality PLRM,	The OCOG Range and Backscatter Quality Flags have been set for one or
CS_OFFL_SIR_NOPR_2_20200126T001809_20200126T001942_C001	OCOG Backscatter Quality	more records.
CS_OFFL_SIR_NOPR_2_20200126T002003_20200126T002312_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T002408_20200126T002615_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T005607_20200126T005746_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T015948_20200126T020159_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T020703_20200126T021225_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T062156_20200126T062431_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T071524_20200126T071701_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T073523_20200126T073810_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T080034_20200126T080317_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T082544_20200126T082828_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T083758_20200126T083906_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T085216_20200126T085916_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T090104_20200126T090130_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T103126_20200126T103216_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T110416_20200126T111111_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T113806_20200126T114008_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T121438_20200126T121618_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T122846_20200126T123058_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T124031_20200126T124429_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T132054_20200126T132253_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T132253_20200126T132402_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T140051_20200126T140211_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T165528_20200126T170550_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T182422_20200126T182704_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T183904_20200126T184652_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T184806_20200126T184848_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

CS_OFFL_SIR_NOPR_2_20200126T200616_20200126T200809_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T200922_20200126T200939_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T201535_20200126T201826_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T201855_20200126T202932_C001	Ocean Altimeter Range, SSHA, SWH and Backscatter Quality PLRM, OCOG Altimeter Range and Backscatter Quality PLRM	The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T220149_20200126T220615_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T220729_20200126T221128_C001		The Ocean Altimeter Range, SSHA, SWH and Backscatter Quality Flags and the OCOG Altimeter Range and Backscatter Quality Flags have been set for one or more records.
CS_OFFL_SIR_NOPR_2_20200126T234338_20200126T234454_C001	OCOG Altimeter Range Quality PLRM, OCOG Backscatter Quality	The OCOG Range and Backscatter Quality Flags have been set for one or more records.

### L2 Quality Flags (1 Hz & 1Hz PLRM)

Currently, there are several common flags raised in the Level 2 products, which are summarised below.

> 1Hz and 1Hz Ocean SSHA Quality Flags: These flags are currently set for products over sea ice, which is to be expected.

Number of products with errors: 1

#### 5.7 L2 Ocean Retracking Quality Check

### L2 Retracking Flags (20Hz)

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag: This flag is currently set for products falling at ocean/ land boundaries, but this is expected.

56

Number of products with errors:

### L2 Retracking Flags (20Hz, PLRM)

CryoSat L2 data includes an ocean retracking quality flag for each 20-Hz PLRM measurement record. The bit value of this flag indicates any problems when set.

Ocean Retracking Quality Flag (PLRM): This flag is currently set for products NOPR and NOPN products over sea ice, but this is to be expected.